

Product datasheet for **SC100121**

DDIT4L (NM_145244) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDIT4L (NM_145244) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDIT4L
Synonyms:	REDD2; Rtp801L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100121 sequence for NM_145244 edited (data generated by NextGen Sequencing)

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ATGGTTGCAACTGGCAGTTTGGAGCAGCAAGAACC CGCCAGCATTTCAGAATTGCTGGAC
TGTGGCTATCACCCAGAGAGCCTGCTAAGTGATTTTGACTACTGGGATTATGTTGTTCTT
GAACCCAACCTCAACGAGGTAATATTTGAGGAATCAACTTGCCAGAATTTGGTTAAAATG
CTGGAGAAGTGTCTGTCCAAATCAAAGCAAATAAACTTGTTGCTCAAAGGTCCTTGTC
CCTGAGAAACTGACCCAGAGAATTGCTCAAGATGTCTGCGGCTTTCCTCAACGGAGCCC
TGCGGCTTGCGAGGTTGTGTTATGCACGTGAACTTGAAATTGAAAATGTATGTA AAAAG
CTGGATAGGATTGTGTGATTCTAGCGTCGTACCTACTTTTGAGCTTACACTTGTGTTT
AAGCAGGAGAAGTGTCTATGGACTAGCTTCAGGGACTTTTCTTTAGTAGAGGTCGCTTC
TCCTCTGGTTTCAGGAGAAGTCTGATCCTCAGCTCAGGATTTGACTTGTTAAGAAAAAA
CTTACTCACTGATTGGAACAACAGTGATTGAAGGGTCCTAA
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Clone variation with respect to NM_145244.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145244 unedited CAAATTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCAGGGTGGCCG GGGAGGGGTGAGCAGGGTGCCGCTGGCTGCTGGGGTCTGCAGGTACCGAGTCCCCAGGA GAGGGGACTCCTAAGAAGCCACCTGCCTGTGTTTACCCGGCAGCGAGCGCGCAGGCCCCC GCGAACTCCTGGCAGCGCTCAGGAAAGGCCGTTGCGCCTCGGAAGGAAACAGAGCCGTT GACCATGGTTGCAACTGGCAGTTTGAGCAGCAAGAACCCGGCCAGCATTTTCAGAAATTGCT GGACTGTGGCTATCACCCAGAGAGCCTGCTAAGTGATTTTACTACTGGGATTATGTTGT TCCTGAACCCAACCTCAACGAGGTAATATTTGAGGAATCAACTTGCCAGAATTTGGTTAA AATGCTGGAGAACTGTCTGTCCAATCAAAGCAAATAAACTTGGTTGCTCAAAGTCTCT TGTCCCTGAGAACTGACCCAGAGAATTGCTCAAGATGCTCCTGCGGCTTTCCTCAACGGA GCCCTGCGGCTTGCGAGGTTGTGTATGCACGTGAACTTGAAATTGATAATTGTATGTA AAAAGCTGGATAGGATTGTGTGATTCTAGCGTCGTACTACTTTTGTAGCTTACACTTG TGTTTAAGCAGGAGAACTGCTCATGCACTANCTCAGGGACTTTTCTTTAGTAGAGGGC GCTTCTCCTCTGGGTTCCAGGAGAACTCTGATCCTCAGCTCAAGATTTGACTTGTAAAGA AAAAACTTTACTCCCTGATTGGAACACAGTGATTGCAAGGTCTAAAAAGGAAAATATA TAAGATATTTCTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_145244
Insert Size:	3800 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_145244.2 , NP_660287.1
RefSeq Size:	2607 bp
RefSeq ORF:	582 bp

Locus ID: 115265
UniProt ID: [Q96D03](#)
Cytogenetics: 4q24
Gene Summary: Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1.[UniProtKB/Swiss-Prot Function]